



National Center for Health Statistics



National Vital Statistics System

Provisional Death Counts for Coronavirus Disease (COVID-19):

Daily updates of totals by week and state

Provisional Deaths by Week and by State
Provisional Deaths by Demographic and Geographic Characteristics
Excess Deaths Data Visualization
Technical Notes

Updated: May 12, 2020

i Note: Provisional death counts are based on death certificate data received and coded by the National Center for Health Statistics as of May 12, 2020. Death counts are delayed and may differ from other published sources (see Technical Notes). Counts will be updated periodically. Additional information will be added to this site as available.

The provisional counts for coronavirus disease (COVID-19) deaths are based on a current flow of mortality data in the National Vital Statistics System. National provisional counts include deaths occurring within the 50 states and the District of Columbia that have been received and coded as of the date specified. It is important to note that it can take several weeks for death records to be submitted to National Center for Health Statistics (NCHS), processed, coded, and tabulated. Therefore, the data shown on this page may be incomplete, and will likely not include all deaths that occurred during a given time period, especially for the more recent time periods. Death counts for earlier weeks are continually revised and may increase or decrease as new and updated death certificate data are received from the states by NCHS. COVID-19 death counts shown here may differ from other published sources, as data currently are lagged by an average of 1–2 weeks.

The provisional data presented on this page include the weekly provisional count of deaths in the United States due to COVID-19, deaths from all causes and percent of expected deaths (i.e., number of deaths received over number of deaths expected based on data from previous years), pneumonia deaths (excluding pneumonia deaths involving influenza), pneumonia deaths involving COVID-19, influenza deaths, and deaths involving pneumonia, influenza, or COVID-19; (a) by week ending date and (b) by specific jurisdictions.

Table 1 has counts of death involving COVID-19 and select causes of death by the week ending date in which the death occurred. For COVID-19 deaths by week ending date at the state level, [Click here to download](#).

▼ **Table 1. Deaths involving coronavirus disease 2019 (COVID-19), pneumonia, and influenza reported to NCHS by week ending date, United States. Week ending 2/1/2020 to 5/9/2020.***

Updated May 12, 2020

Week ending date in which the death occurred	COVID-19 Deaths (U07.1) ¹	Deaths from All Causes	Percent of Expected Deaths ²	Pneumonia Deaths (J12.0–J18.9) ³	Deaths with Pneumonia and COVID-19 (J12.0–J18.9 and U07.1) ³	Influenza Deaths (J09–J11) ⁴	Deaths with Pneumonia, Influenza, or COVID-19 (U07.1 or J09–J18.9) ⁵
Total Deaths	51,495	820,870	97	76,043	22,674	6,083	110,074
2/1/2020	0	57,483	97	3,700	0	472	4,172
2/8/2020	1	57,953	97	3,697	0	501	4,199
2/15/2020	0	57,278	97	3,721	0	526	4,247
2/22/2020	2	57,274	99	3,584	0	547	4,133
2/29/2020	7	57,550	100	3,685	5	623	4,310
3/7/2020	29	57,203	99	3,779	16	603	4,394
3/14/2020	51	55,580	97	3,757	26	593	4,374
3/21/2020	507	55,660	98	4,261	231	514	5,045
3/28/2020	2,793	58,793	105	5,759	1,269	417	7,652
4/4/2020	8,537	66,405	119	9,078	4,093	443	13,747
4/11/2020	13,496	71,278	128	10,714	6,022	446	18,305
4/18/2020	13,077	65,937	122	9,430	5,609	240	16,963
4/25/2020	8,872	54,581	101	6,779	3,743	121	11,947
5/2/2020	3,277	35,853	66	3,159	1,311	33	5,145
5/9/2020	846	12,042	23	940	349	4	1,441

NOTE: Number of deaths reported in this table are the total number of deaths received and coded as of the date of analysis and do not represent all deaths that occurred in that period. The United States population, based on 2018 postcensal estimates from the U.S. Census Bureau, is 327,167,434.

*Data during this period are incomplete because of the lag in time between when the death occurred and when the death certificate is completed, submitted to NCHS and processed for reporting purposes. This delay can range from 1 week to 8 weeks or more, depending on the jurisdiction, age, and cause of death.

¹Deaths with confirmed or presumed COVID-19, coded to ICD-10 code U07.1

²Percent of expected deaths is the number of deaths for all causes for this week in 2020 compared to the average number across the same week in 2017–2019. Previous analyses of 2015–2016 provisional data completeness have found that completeness is lower in the first few weeks following the date of death (<25%), and then increases over time such that data are generally at least 75% complete within 8 weeks of when the death occurred (8).

³Pneumonia death counts exclude pneumonia deaths involving influenza.

⁴Influenza death counts include deaths with pneumonia or COVID-19 also listed as a cause of death.

⁵Deaths with confirmed or presumed COVID-19, pneumonia, or influenza, coded to ICD-10 codes U07.1 or J09–J18.9.

▼ Table 2. Deaths involving coronavirus disease 2019 (COVID-19), pneumonia, and influenza reported to NCHS by jurisdiction of occurrence, United States. Week ending 2/1/2020 to 5/9/2020.*

Updated May 12, 2020

Jurisdiction of Occurrence	COVID-19 Deaths (U07.1) ¹	Deaths from All Causes	Percent of Expected Deaths ²	Pneumonia Deaths (J12.0–J18.9) ³	Deaths with Pneumonia and COVID-19 (J12.0–J18.9 and U07.1) ³	Influenza Deaths (J09–J11) ⁴	Deaths with Pneumonia, Influenza, or COVID-19 (U07.1 or J09–J18.9) ⁵
United States ⁶	51,495	820,870	97	76,043	22,674	6,083	110,074
Alabama	241	14,066	84	895	72	87	1,151
Alaska	-	1,016	75	49	-	-	57
Arizona	306	17,861	92	1,272	154	106	1,530
Arkansas	51	8,826	86	609	15	71	716
California	1,745	78,107	89	6,875	1,018	557	8,159
Colorado	749	12,241	97	1,136	425	92	1,547
Connecticut	301	2,595	21	233	77	33	489
Delaware	115	2,477	84	172	45	15	257
District of Columbia	128	1,742	88	250	128	-	257
Florida	1,189	61,028	91	4,514	628	294	5,364
Georgia	748	22,607	83	1,585	329	98	2,102
Hawaii	11	3,188	86	208	-	19	234
Idaho	62	3,955	88	214	18	24	282
Illinois	1,624	32,766	97	3,089	889	173	3,994
Indiana	781	18,950	89	1,808	399	122	2,310
Iowa	154	8,376	86	594	32	82	798
Kansas	114	7,377	86	516	52	86	664
Kentucky	184	12,124	77	1,108	99	91	1,284
Louisiana	1,212	12,957	89	1,089	527	67	1,837
Maine	56	4,270	91	346	14	31	419
Maryland	1,146	15,737	99	1,515	435	116	2,328
Massachusetts	3,444	21,077	111	2,743	1,245	153	5,088
Michigan	2,851	30,947	100	3,357	1,395	229	5,038
Minnesota	340	12,861	91	962	111	114	1,304
Mississippi	268	9,158	92	831	125	51	1,025
Missouri	314	17,195	82	1,113	107	170	1,490

Montana	15	2,707	81	157	-	33	203
Nebraska	42	4,520	82	350	10	27	409
Nevada	198	7,267	88	638	158	37	715
New Hampshire	98	3,624	92	261	30	30	358
New Jersey	6,218	30,270	130	5,107	3,094	110	8,333
New Mexico	97	4,758	79	344	44	27	424
New York ⁷	6,583	37,055	117	6,211	3,332	195	9,641
New York City	14,261	36,440	221	7,614	5,338	915	16,665
North Carolina	22	14,783	45	877	-	170	1,061
North Dakota	16	1,743	77	160	-	19	190
Ohio	619	31,715	79	1,973	275	240	2,557
Oklahoma	178	10,059	78	912	67	97	1,117
Oregon	101	9,632	82	514	41	61	635
Pennsylvania	2,120	32,399	75	2,649	832	179	4,113
Rhode Island	130	2,610	76	169	39	24	284
South Carolina	196	14,262	91	881	75	94	1,096
South Dakota	21	2,203	84	172	-	21	205
Tennessee	171	20,547	86	1,538	85	120	1,744
Texas	659	55,550	86	4,141	275	319	4,842
Utah	42	5,420	90	306	14	40	374
Vermont	47	1,753	96	116	11	14	166
Virginia	525	20,137	92	1,163	178	106	1,615
Washington	661	15,807	86	1,340	356	100	1,741
West Virginia	25	5,378	73	397	-	57	474
Wisconsin	304	15,456	91	869	41	146	1,276
Wyoming	-	1,271	88	101	-	-	112
Puerto Rico	84	5,902	62	840	43	33	914

NOTE: Number of deaths reported in this table are the total number of deaths received and coded as of the date of analysis and do not represent all deaths that occurred in that period.

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¹Deaths with confirmed or presumed COVID-19, coded to ICD-10 code U07.1.

²Percent of expected deaths is the number of deaths for all causes for this week in 2020 compared to the average number across the same week in 2017-2019.

³Pneumonia death counts exclude pneumonia deaths involving influenza.

⁴Influenza death counts include deaths with pneumonia or COVID-19 also listed as a cause of death.

⁵Deaths with confirmed or presumed COVID-19, pneumonia, or influenza, coded to ICD-10 codes U07.1 or J09-18.9.

⁶United States death count includes the 50 states, plus the District of Columbia and New York City.

⁷Excludes New York City.

Understanding the Numbers: Provisional Death Counts and COVID-19

Provisional death counts deliver our most comprehensive picture of lives lost to COVID-19. These estimates are based on death certificates, which are the most reliable source of data and contain information not available anywhere else, including comorbid conditions, race and ethnicity, and place of death.

How it works

The National Center for Health Statistics (NCHS) uses incoming data from death certificates to produce provisional COVID-19 death counts. These include deaths occurring within the 50 states and the District of Columbia. COVID-19 deaths are identified using a new ICD-10 code. When COVID-19 is reported as a cause of death – or when it is listed as a “probable” or “presumed” cause — the death is coded as **U07.1**. This can include cases with or without laboratory confirmation.

Why these numbers are different

Provisional death counts may not match counts from other sources, such as media reports or numbers from county health departments. Our counts often track 1–2 weeks behind other data for a number of reasons: **Death certificates take time to be completed.** There are many steps involved in completing and submitting a death certificate. Waiting for test results can create additional delays. **States report at different rates.** Currently, 63% of all U.S. deaths are reported within 10 days of the date of death, but there is significant variation among jurisdictions. **It takes extra time to code COVID-19 deaths.** While 80% of deaths are electronically processed and coded by NCHS within minutes, most deaths from COVID-19 must be coded manually, which takes an average of 7 days. **Other reporting systems use different definitions or methods for counting deaths.**

Things to know about the data

Provisional counts are not final and are subject to change. Counts from previous weeks are continually revised as additional records are received and processed. **Provisional data are not yet complete.** Counts will not include all deaths that occurred during a given time period, especially for more recent periods. However, we can estimate how complete our numbers are by looking at the average number of deaths reported in previous years. **Death counts should not be compared across jurisdictions.** Some jurisdictions report deaths on a daily basis, while others report deaths weekly or monthly. In addition, vital record reporting may also be affected or delayed by COVID-19 related response activities.

For more detailed technical information, visit the [Provisional Death Counts for Coronavirus Disease \(COVID-19\) Technical Notes](#) page.